

# PHILADELPHIA ELECTRIC COMPANY

LIMERICK GENERATING STATION

P. O. BOX A

SANATOGA, PENNSYLVANIA 19454

(215) 327-1200 EXT. 2000

January 26, 1990

M. J. McCORMICK, JR., P.E.  
PLANT MANAGER  
LIMERICK GENERATING STATION

Docket Nos. 50-352  
50-353  
License Nos. NPF-39  
NPF-85

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

Subject: Limerick Generating Station, Units 1 and 2  
Transmittal of Radiological and Meteorological  
Monitoring System (RMMS) Instructions for Remote  
Interrogation Capability.

Dear Sir:

This letter transmits the Limerick Generating Station (LGS), Units 1 and 2 Radiological and Meteorological Monitoring System (RMMS) instructions for remote interrogation capability for the meteorological measurement system. The LGS meteorological measurement system complies with the guidelines of Regulatory Guide (RG) 1.23, Proposed Revision 1, "Onsite Meteorological Programs." This RG stipulates that the NRC should have remote interrogation capability of utility - maintained meteorological systems during emergency situations. Information concerning this capability was provided to the NRC prior to LGS Unit 1 Licensing, however, documentation verifying this transmittal cannot be located. Therefore, we are forwarding the following attachments which will provide the necessary information to obtain LGS data through RMMS remote interrogation access.

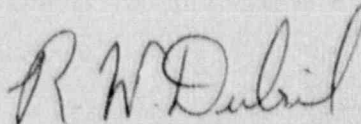
1. Attachment 1 - Communication settings, modem dial-up phone numbers, user names and passwords.
2. Attachment 2 - Remote Interrogation Instructions from RMMS User's manual.
3. Attachment 3 - RMMS-201, "Emergency Gaseous Dose Calculations - Interrogator Mode," Rev. 4, the controlling procedure in current use at LGS.

9002050017 900126  
PDR ADDCK 05000352  
F PDC

A009 Add: NRR/DREP/PEPB 11  
Ltr Encl

If you have any further questions regarding this issue,  
please do not hesitate to contact R. K. Barclay at (215) 327-1200  
X2213.

Very truly yours,

  
for M. J. McCormick, Jr.  
Plant Manager

WGS:aj

Attachments

cc: W. T. Russell, Administrator, Region I, USNRC  
T. J. Kenny, USNRC Senior Resident Inspector, LGS (w/o Attachments)

ATTACHMENT 1

Limerick Generating Station  
Radiological and Meteorological Monitoring System (RMMS)

Remote Interrogation  
Access Instructions

COMMUNICATION SETTINGS

BAUD RATE :	1200	PARITY :	None
DATA BITS :	8	STOP BITS :	1
*EMULATION :	VT-100	*DELAY :	1

\* Additional Crosstalk settings.

PHONE NUMBERS

(215) 326 - 9710	Term ID : TXA7
(215) 326 - 9720	Term ID : TXB0
(215) 326 - 9780	Term ID : TXB2

USERNAMES

(PASSWORD)

REMOTE1	(Broadcast)
REMOTE2	(Broadcast)
REMOTE3	(Broadcast)



## 14. REMOTE INTERROGATION

## 14.1. OVERVIEW

The interrogation capability is provided to anyone logging on to an interrogation account. Immediately upon log on, the interrogator is prompted for the type terminal being used. This is significant since there may be graphics as part of the report and this type of data can only be output successfully to a graphics terminal Tektronix 4014. Interrogation is also allowed from hard copy (LA120) and nongraphics CRTs (VT100) but only the textual portion of reports is output to these types of terminals.

Only one function is provided to the interrogator: the viewing of approved versions of up to five types of reports. Despite the apparent simplicity of this function, some behavioral characteristics make the reading of this section important for the user of the interrogation system.

## 14.2. INTERROGATION

After logging onto an interrogation account, the user is prompted for the type of terminal being used. Following this, the list of accessible report types is displayed on the terminal. Some users may only access certain reports as indicated on the list of reports. This list either shows the date of the interrogation version or the phrase "not available", signifying that no interrogation version exists for that report type. The interrogator then selects the desired report. If graphics output exists for the report and the terminal specified upon entry to the interrogation account is a graphics type terminal, the screen of graphics is output, followed by the text portion of the report. For nongraphics terminal types, only the text is output.



After each screen of display is output, a "continue" prompt is output at the bottom of the screen. The entry of "C" results in the next screen of data being output. Any entry other than "C" results in the report list being redisplayed. If the hardcopy type terminal is being used, the entire text is output prior to the "continue" prompt.

An important characteristic of the interrogation system is the automatic update of the display when a different version of the report being viewed becomes the interrogation version. If an interrogator is viewing one of the reports and the broadcast control operator approves a new version of that same report, the screen will clear by itself (no interaction necessary from the interrogator) and the newly approved version will begin being displayed. This will occur whenever a new version is approved, whether by manual approval or under automatic approval. Note that this kind of automatic screen update occurs only if a new version of the type of report being viewed is approved. That is, the control operator can be approving other types of reports than the one being viewed and no changes will occur to the interrogator's screen.

If the interrogator wishes to view a different report type, it is necessary to return to the report list and select the desired report type. When finished with the interrogation, option 1 of the interrogation menu (Terminate) will log the user off of the computer.

#### Examples

The following pages present some examples of the interrogation interface.

Username: REMOTE1  
Password:

Welcome to GA Electronic Systems Division RM-21A System (VAX/VMS V3.3)

VAXVMSVAXVMSVAXVMSVAXVMSVAXVMSVAXVMSVAXVMSVAXVMSVAXVMSVAXVMSVAXVMSVAXVMS  
VAX VMS  
VAX System Messages VMS  
VAX VMS  
VAXVMSVAXVMSVAXVMSVAXVMSVAXVMSVAXVMSVAXVMSVAXVMSVAXVMSVAXVMSVAXVMSVAXVMS

- 1 -- TEKTRONICS 4014
- 2 -- LA-120
- 3 -- VT-100

ENTER TYPE OF DEVICE YOU ARE USING [1-3] : 2

Current reports are based on test data and do not reflect actual condition  
at the LIMERICK generating station.

REPORT INTERROGATION (LEVEL 1)

1 -- TERMINATE	
2 -- CLASS A MODEL	2-NOV-83 13:03:30
3 -- DOSE ACCUMULATION	4-NOV-83 09:35:00
4 -- NRC METEOROLOGICAL REPORT	Not Available
5 -- NRC X/Q REPORT	2-NOV-83 14:39:00
6 -- R.G. 1.97 REPORT	3-NOV-83 17:11:00

ENTER REPORT SELECTION : 2

EL-5767/1

Fig. 14-1. Remote interrogation, logon example with terminal specification  
and Class A model selection (page 1 of 13)

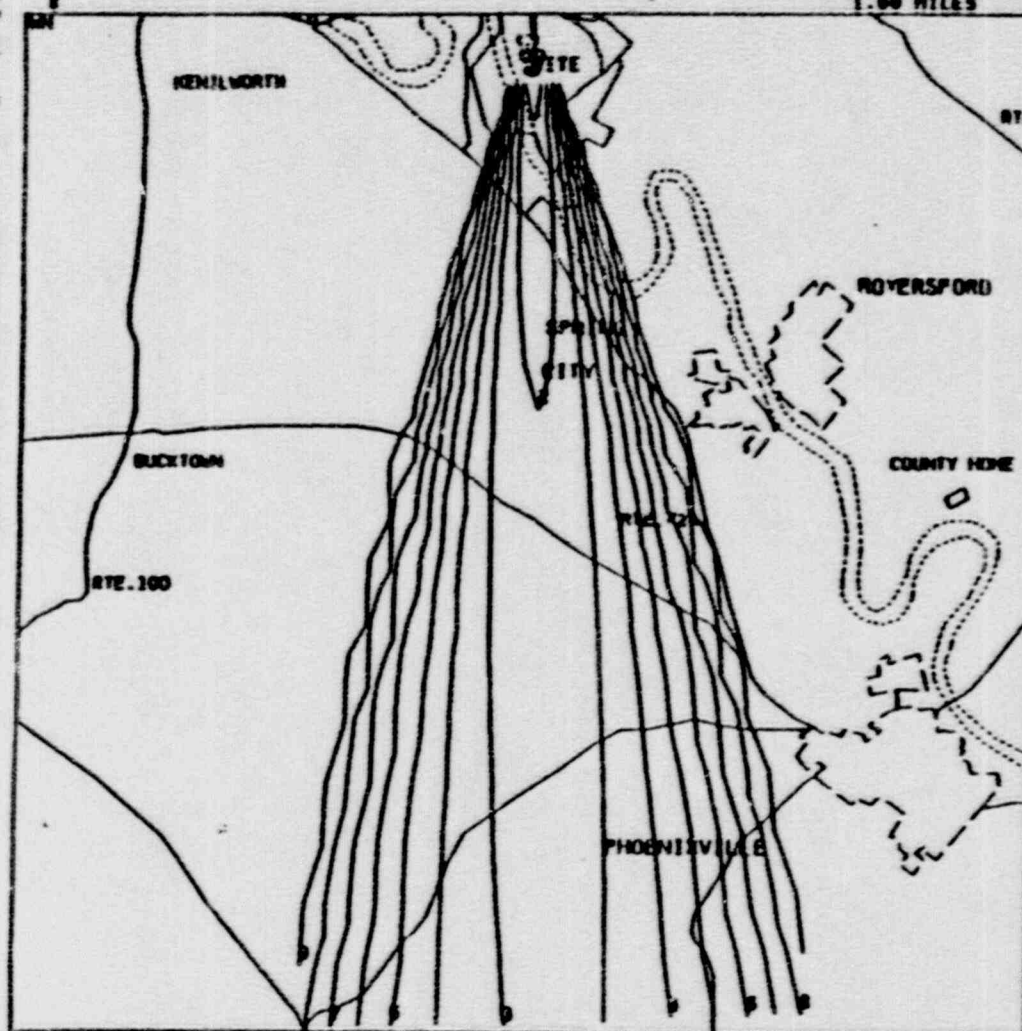
SITE: LINERICK

UNIT: U1 11/02/83 13:04

MOST RECENT RET

RAW DATA

SCALE: 1.00 MILES



TIME AFTER ACCIDENT 0.0 HOURS  
 GAMMA DOSE (ADJ. FACTOR) 1.00  
 DATE OF RET 11/02/83 12:45  
 RELEASE PT 3  
 SPEED (MPH) 22  
 DIR FROM 350  
 VERT STAB 0  
 HORIZ STAB 0  
 RELEASE TYPE SPLIT  
 EXFL CFM/1000 234  
 MIXED MODE 0.62  
 PLUME HGT (M) 106  
 PEAK (REM/HR) 0.06E-03  
 DST TO PK 7.6E+02 (M), 0.6 (MI)  
 TERRAIN AT PEAK (M) 0.00E+00  
 DECAYED RELSE (CI/SEC) 2.78E+00

## LEGEND

REM/HR

1	1.00E-02
2	1.00E-03
3	1.00E-04
4	1.00E-05
5	1.00E-06
6	1.00E-07
7	1.00E-08
8	1.00E-09
9	1.00E-10

## ISOTOPIC REL.

CI/SEC

XE133	4.50E-01
XE135M	4.40E-01
XE137	4.10E-01
XE138	3.91E-01
KR89	3.25E-01
PR88	2.62E-01
KR87	1.91E-01
XE136	1.27E-01

999 EAL 101

SITE EMERGENCY

ENTER 'C' TO CONTINUE DISPLAYING

Fig. 14-1. Remote interrogation, Class A model graph obtained only from 4014 graphics terminal (page 2 of 13)

EL-5767/2



MOST RECENT RAW DATA MET USED  
 SITE-LM UNIT-U1 X/Q ISOPLETH DATE OF MET 11/ 2/83 12:45  
 SPEED(MPH)= 21.7 DIRECTION= N LAPSE DEG/100FT= -0.5 STABILITY=D  
 PEAK VALUE (SEC/MXX3)= 6.03E-06 TERRAIN AT PEAK (M)= 0.00E+00  
 DISTANCE TO PEAK(M) BEYOND SITE BOUNDARY 762.00  
 RELEASE PT=3 RELEASE TYPE=SPLIT  
 MIXED MODE 0.62  
 PLUME HGT (M) 106.08  
 EXIT VEL FLOW(CFM/1000) 234.

DOWNWIND DISTANCE(M)	SEC/MXX3 CROSSWIND DISTANCE(M)				
	0.	200.	300.	400.	500.
200.	1.58E-05	1.69E-08	3.30E-12	2.11E-17	4.04E-22
400.	1.03E-05	1.38E-07	6.30E-10	3.32E-13	2.02E-17
600.	7.49E-06	3.72E-07	8.74E-09	4.57E-11	5.34E-14
800.	5.77E-06	6.24E-07	3.87E-08	7.90E-10	5.31E-12
1000.	4.61E-06	8.27E-07	9.71E-08	4.84E-09	1.02E-10
1200.	3.81E-06	9.63E-07	1.75E-07	1.62E-08	7.56E-10
1400.	3.24E-06	1.04E-06	2.59E-07	3.71E-08	3.07E-09
1600.	2.87E-06	1.10E-06	3.36E-07	6.56E-08	8.12E-09
1800.	2.61E-06	1.13E-06	4.07E-07	9.95E-08	1.65E-08
2000.	2.39E-06	1.16E-06	4.72E-07	1.38E-07	2.88E-08
2500.	1.98E-06	1.16E-06	5.96E-07	2.39E-07	7.50E-08
3000.	1.74E-06	1.15E-06	6.84E-07	3.34E-07	1.34E-07
3500.	1.53E-06	1.10E-06	7.25E-07	4.07E-07	1.95E-07
4000.	1.34E-06	1.02E-06	7.28E-07	4.55E-07	2.49E-07
4500.	1.15E-06	9.20E-07	6.96E-07	4.71E-07	2.86E-07
5000.	9.96E-07	8.25E-07	6.53E-07	4.71E-07	3.09E-07
5500.	8.69E-07	7.40E-07	6.06E-07	4.59E-07	3.21E-07
6000.	7.73E-07	6.73E-07	5.66E-07	4.44E-07	3.25E-07
6500.	6.98E-07	6.18E-07	5.30E-07	4.28E-07	3.25E-07
7000.	6.34E-07	5.69E-07	4.96E-07	4.10E-07	3.21E-07
7500.	5.80E-07	5.26E-07	4.66E-07	3.93E-07	3.15E-07
8000.	5.33E-07	4.88E-07	4.38E-07	3.75E-07	3.08E-07
8500.	4.91E-07	4.54E-07	4.11E-07	3.58E-07	2.99E-07
9000.	4.54E-07	4.22E-07	3.86E-07	3.40E-07	2.89E-07
9500.	4.20E-07	3.94E-07	3.62E-07	3.23E-07	2.78E-07
10000.	3.94E-07	3.71E-07	3.43E-07	3.09E-07	2.69E-07
11000.	3.52E-07	3.34E-07	3.12E-07	2.85E-07	2.53E-07
12000.	3.16E-07	3.02E-07	2.85E-07	2.63E-07	2.37E-07
13000.	2.86E-07	2.75E-07	2.61E-07	2.43E-07	2.22E-07
14000.	2.60E-07	2.51E-07	2.40E-07	2.25E-07	2.07E-07
15000.	2.37E-07	2.30E-07	2.21E-07	2.08E-07	1.94E-07
16000.	2.18E-07	2.11E-07	2.04E-07	1.93E-07	1.81E-07

EL-5767/3

Fig. 14-1. Remote interrogation, Class A model X/Q isopleth print example,  
 1 of 4 pages of crosswind distances (page 3 of 13)

MOST RECENT RAW DATA MET USED  
 SITE-LM UNIT-U1 DEPL X/Q ISOPLETH DATE OF MET 11/ 2/83 12:45  
 SPEED(MPH)= 21.7 DIRECTION= N LAPSE DEG/100FT= -0.5 STABILITY=D  
 PEAK VALUE (SEC/M\*\*3)= 5.53E-06 TERRAIN AT PEAK (M)= 0.00E+00  
 DISTANCE TO PEAK(M) BEYOND SITE BOUNDARY 762.00  
 RELEASE PT=3 RELEASE TYPE=SPLIT  
 MIXED MODE 0.62  
 PLUME HGT (M) 106.08  
 EXIT VEL FLOW(CFM/1000) 234.

DOWNWIND DISTANCE(M)	SEC/M**3 CROSSWIND DISTANCE(M)				
	0.	200.	300.	400.	500.
200.	1.53E-05	1.64E-08	3.20E-12	2.04E-17	4.02E-22
400.	9.79E-06	1.31E-07	5.97E-10	3.14E-13	1.92E-17
600.	6.95E-06	3.46E-07	8.12E-09	4.25E-11	4.96E-14
800.	5.28E-06	5.71E-07	3.54E-08	7.23E-10	4.85E-12
1000.	4.16E-06	7.45E-07	8.74E-08	4.35E-09	9.21E-11
1200.	3.41E-06	8.60E-07	1.56E-07	1.44E-08	6.74E-10
1400.	2.88E-06	9.26E-07	2.29E-07	3.28E-08	3.72E-09
1600.	2.54E-06	9.66E-07	2.96E-07	5.75E-08	7.12E-09
1800.	2.30E-06	9.94E-07	3.56E-07	8.66E-08	1.44E-08
2000.	2.10E-06	1.01E-06	4.11E-07	1.19E-07	2.49E-08
2500.	1.73E-06	1.01E-06	5.17E-07	2.06E-07	6.42E-08
3000.	1.63E-06	1.00E-06	5.94E-07	2.88E-07	1.15E-07
3500.	1.34E-06	9.57E-07	6.30E-07	3.52E-07	1.68E-07
4000.	1.15E-06	8.75E-07	6.23E-07	3.88E-07	2.12E-07
4500.	9.80E-07	7.82E-07	5.90E-07	3.99E-07	2.41E-07
5000.	8.40E-07	6.95E-07	5.49E-07	3.95E-07	2.59E-07
5500.	7.25E-07	6.18E-07	5.05E-07	3.81E-07	2.66E-07
6000.	6.38E-07	5.55E-07	4.66E-07	3.65E-07	2.67E-07
6500.	5.72E-07	5.06E-07	4.33E-07	3.50E-07	2.65E-07
7000.	5.15E-07	4.62E-07	4.03E-07	3.33E-07	2.60E-07
7500.	4.54E-07	4.12E-07	3.64E-07	3.07E-07	2.47E-07
8000.	4.14E-07	3.79E-07	3.40E-07	2.91E-07	2.39E-07
8500.	3.79E-07	3.50E-07	3.16E-07	2.75E-07	2.30E-07
9000.	3.47E-07	3.23E-07	2.95E-07	2.60E-07	2.21E-07
9500.	3.19E-07	2.98E-07	2.75E-07	2.45E-07	2.11E-07
10000.	2.96E-07	2.79E-07	2.58E-07	2.32E-07	2.02E-07
11000.	2.62E-07	2.49E-07	2.33E-07	2.12E-07	1.88E-07
12000.	2.34E-07	2.23E-07	2.11E-07	1.94E-07	1.75E-07
13000.	2.10E-07	2.02E-07	1.91E-07	1.78E-07	1.63E-07
14000.	1.89E-07	1.83E-07	1.74E-07	1.64E-07	1.51E-07
15000.	1.71E-07	1.66E-07	1.59E-07	1.50E-07	1.40E-07
16000.	1.56E-07	1.51E-07	1.46E-07	1.39E-07	1.30E-07

EL-5767/4

Fig. 14-1. Remote interrogation, Class A model depleted X/Q isopleth print example, 1 of 4 pages of crosswind distances (page 4 of 13)



MOST RECENT RAW DATA MET USED  
 SITE-LM UNIT-U1 DEPO X/Q ISOPLETH DATE OF MET 11/ 2/83 12:45  
 SPEED(MPH)= 21.7 DIRECTION= N LAPSE DEG/100FT= -0.5 STABILITY=0  
 PEAK VALUE ( 1/M\*\*2 )= 2.88E-07 TERRAIN AT PEAK (M)= 0.00E+00  
 DISTANCE TO PEAK(M) BEYOND SITE BOUNDARY 762.00  
 RELEASE PT=3 RELEASE TYPE=SPLIT  
 MIXED MODE 0.62  
 PLUME HGT (M) 106.08  
 EXIT VEL FLOW(CFM/1000) 234.

DOWNWIND DISTANCE(M)	1/M**2 CROSSWIND DISTANCE(M)				
	0.	200.	300.	400.	500.
200.	1.93E-06	3.72E-09	1.63E-10	7.17E-12	3.15E-13
400.	7.48E-07	3.07E-08	6.23E-09	1.26E-09	2.56E-10
600.	4.03E-07	4.58E-08	1.55E-08	5.21E-09	1.76E-09
800.	2.69E-07	5.07E-08	2.20E-08	9.58E-09	4.16E-09
1000.	1.85E-07	4.79E-08	2.44E-08	1.24E-08	6.31E-09
1200.	1.47E-07	4.66E-08	2.63E-08	1.48E-08	8.35E-09
1400.	1.19E-07	4.38E-08	2.64E-08	1.62E-08	9.84E-09
1600.	9.71E-08	4.02E-08	2.59E-08	1.67E-08	1.07E-08
1800.	8.00E-08	3.63E-08	2.45E-08	1.65E-08	1.11E-08
2000.	6.61E-08	3.24E-08	2.26E-08	1.58E-08	1.11E-08
2500.	5.10E-08	2.83E-08	2.11E-08	1.57E-08	1.17E-08
3000.	4.04E-08	2.45E-08	1.91E-08	1.49E-08	1.16E-08
3500.	3.34E-08	2.15E-08	1.73E-08	1.39E-08	1.11E-08
4000.	3.13E-08	2.12E-08	1.74E-08	1.43E-08	1.17E-08
4500.	2.62E-08	1.84E-08	1.54E-08	1.29E-08	1.08E-08
5000.	2.20E-08	1.60E-08	1.36E-08	1.16E-08	9.83E-09
5500.	1.85E-08	1.38E-08	1.19E-08	1.02E-08	8.83E-09
6000.	1.55E-08	1.18E-08	1.03E-08	8.98E-09	7.83E-09
6500.	1.40E-08	1.08E-08	9.50E-09	8.35E-09	7.35E-09
7000.	1.26E-08	9.87E-09	8.75E-09	7.75E-09	6.87E-09
7500.	1.12E-08	8.93E-09	7.97E-09	7.11E-09	6.34E-09
8000.	1.01E-08	8.12E-09	7.29E-09	6.54E-09	5.87E-09
8500.	9.06E-09	7.38E-09	6.66E-09	6.01E-09	5.42E-09
9000.	8.14E-09	6.69E-09	6.07E-09	5.50E-09	4.99E-09
9500.	7.30E-09	6.05E-09	5.51E-09	5.02E-09	4.57E-09
10000.	6.53E-09	5.46E-09	4.99E-09	4.57E-09	4.18E-09
11000.	5.90E-09	5.00E-09	4.60E-09	4.23E-09	3.90E-09
12000.	5.36E-09	4.59E-09	4.25E-09	3.93E-09	3.64E-09
13000.	4.88E-09	4.22E-09	3.93E-09	3.65E-09	3.39E-09
14000.	4.46E-09	3.89E-09	3.63E-09	3.39E-09	3.17E-09
15000.	4.09E-09	3.59E-09	3.36E-09	3.15E-09	2.95E-09
16000.	3.75E-09	3.32E-09	3.12E-09	2.93E-09	2.76E-09

EL-5767/5

Fig. 14-1. Remote interrogation, Class A model deposition X/Q isopleth print example, 1 of 4 pages of crosswind distances (page 5 of 13)



MOST RECENT RAW DATA MET USED  
 SITE-LM UNIT-U1 SKIN ISOPLETH DATE OF MET 11/ 2/83 12:45  
 SPEED(MPH)= 21.7 DIRECTION= N LAPSE DEG/100FT= -0.5 STABILITY=D  
 PEAK VALUE (REM/HR)= 1.93E-02 TERRAIN AT PEAK (M)= 0.00E+00  
 DISTANCE TO PEAK(M) BEYOND SITE BOUNDARY 762.00  
 RELEASE PT=3 RELEASE TYPE=SPLIT  
 MIXED MODE 0.62  
 PLUME HGT (M) 106.08  
 TIME AFTER ACCIDENT 0.00 HOURS  
 DECAYED RELEASE (CI/SEC) 2.78E+00  
 EXIT VEL FLOW(CFM/1000) 234.  
 MAXIMUM ISOTOPE RELEASE (CI/SEC)  
 XE133 4.59E-01  
 XE135M 4.40E-01  
 XE137 4.18E-01  
 XE138 3.91E-01  
 KR89 3.25E-01  
 KR88 2.62E-01  
 KR87 1.91E-01  
 XE135 1.27E-01

DOWNWIND DISTANCE(M)	REM/HR CROSSWIND DISTANCE(M)				
	0.	200.	300.	400.	500.
200.	5.58E-02	6.01E-05	1.17E-08	7.47E-14	1.43E-18
400.	3.53E-02	4.73E-04	2.15E-06	1.13E-09	6.92E-14
600.	2.47E-02	1.23E-03	2.88E-05	1.51E-07	1.76E-10
800.	1.84E-02	1.99E-03	1.23E-04	2.52E-06	1.69E-08
1000.	1.42E-02	2.35E-03	2.99E-04	1.49E-05	3.15E-07
1200.	1.14E-02	2.87E-03	5.21E-04	4.81E-05	2.25E-06
1400.	9.36E-03	3.02E-03	7.47E-04	1.07E-04	8.87E-06
1600.	8.04E-03	3.07E-03	9.42E-04	1.84E-04	2.27E-05
1800.	7.08E-03	3.08E-03	1.11E-03	2.70E-04	4.49E-05
2000.	6.31E-03	3.05E-03	1.25E-03	3.64E-04	7.61E-05
2500.	4.87E-03	2.85E-03	1.47E-03	5.88E-04	1.85E-04
3000.	4.03E-03	2.66E-03	1.58E-03	7.72E-04	3.10E-04
3500.	3.34E-03	2.40E-03	1.58E-03	8.90E-04	4.27E-04
4000.	2.77E-03	2.12E-03	1.51E-03	9.43E-04	5.17E-04
4500.	2.27E-03	1.82E-03	1.37E-03	9.30E-04	5.65E-04
5000.	1.88E-03	1.56E-03	1.23E-03	8.88E-04	5.84E-04
5500.	1.57E-03	1.34E-03	1.10E-03	8.31E-04	5.81E-04
6000.	1.35E-03	1.17E-03	9.87E-04	7.74E-04	5.67E-04
6500.	1.18E-03	1.04E-03	8.93E-04	7.21E-04	5.48E-04
7000.	1.03E-03	9.28E-04	8.10E-04	6.69E-04	5.24E-04
7500.	9.18E-04	8.33E-04	7.37E-04	6.22E-04	4.99E-04
8000.	8.21E-04	7.52E-04	6.74E-04	5.78E-04	4.74E-04
8500.	7.37E-04	6.81E-04	6.16E-04	5.36E-04	4.49E-04
9000.	6.65E-04	6.18E-04	5.65E-04	4.98E-04	4.23E-04
9500.	6.02E-04	5.63E-04	5.19E-04	4.62E-04	3.98E-04
10000.	5.52E-04	5.19E-04	4.81E-04	4.33E-04	3.77E-04
11000.	4.74E-04	4.50E-04	4.21E-04	3.84E-04	3.41E-04
12000.	4.11E-04	3.93E-04	3.70E-04	3.42E-04	3.08E-04
13000.	3.60E-04	3.45E-04	3.28E-04	3.05E-04	2.79E-04
14000.	3.17E-04	3.06E-04	2.92E-04	2.74E-04	2.53E-04
15000.	2.82E-04	2.73E-04	2.62E-04	2.47E-04	2.30E-04
16000.	2.51E-04	2.44E-04	2.35E-04	2.23E-04	2.09E-04

EL-5767/6

Fig. 14-1. Remote interrogation, Class A model skin isopleth print example.  
 1 of 4 pages of crosswind distances (page 6 of 13)

MOST RECENT RAW DATA MET USED  
 SITE-LM UNIT-J1 GAMMA ISOPLETH DATE OF MET 11/ 2/83 12:45  
 SPEED(MPH)= 21.7 DIRECTION= N LAPSE DEG/100FT= -0.5 STABILITY=D  
 PEAK VALUE (REM/HR)= 9.94E-03 TERRAIN AT PEAK (M)= 0.00E+00  
 DISTANCE TO PEAK(M) BEYOND SITE BOUNDARY 742.00  
 RELEASE PT=3 RELEASE TYPE=SPLIT  
 MIXED MODE 0.62  
 PLUME HGT (M) 106.08  
 TIME AFTER ACCIDENT 0.00 HOURS  
 DECAYED RELEASE (CI/SEC) 2.78E+00  
 EXIT VEL FLOW(CFM/1000) 234.  
 MAXIMUM ISOTOPE RELEASE (CI/SEC)  
 XE133 4.59E-01  
 XE135M 4.40E-01  
 XE137 4.18E-01  
 XE138 3.91E-01  
 KR89 3.25E-01  
 KR88 2.62E-01  
 KR87 1.91E-01  
 XE135 1.27E-01

DOWNWIND DISTANCE(M)	REM/HR CROSSWIND DISTANCE(M)				
	0.	200.	300.	400.	500.
200.	2.84E-02	3.05E-05	5.94E-09	3.79E-14	7.27E-19
400.	1.80E-02	2.41E-04	1.10E-06	5.79E-10	3.53E-14
600.	1.27E-02	6.30E-04	1.48E-05	7.74E-08	9.03E-11
800.	9.48E-03	1.03E-03	6.36E-05	1.30E-06	8.71E-09
1000.	7.37E-03	1.32E-03	1.55E-04	7.72E-06	1.63E-07
1200.	5.92E-03	1.50E-03	2.72E-04	2.51E-05	1.17E-06
1400.	4.91E-03	1.58E-03	3.91E-04	5.61E-05	4.65E-06
1600.	4.23E-03	1.62E-03	4.96E-04	9.67E-05	1.20E-05
1800.	3.75E-03	1.63E-03	5.86E-04	1.43E-04	2.38E-05
2000.	3.36E-03	1.62E-03	6.63E-04	1.93E-04	4.05E-05
2500.	2.62E-03	1.53E-03	7.90E-04	3.17E-04	9.95E-05
3000.	2.19E-03	1.45E-03	8.62E-04	4.21E-04	1.69E-04
3500.	1.84E-03	1.32E-03	8.72E-04	4.90E-04	2.35E-04
4000.	1.54E-03	1.18E-03	8.39E-04	5.24E-04	2.87E-04
4500.	1.27E-03	1.02E-03	7.71E-04	5.22E-04	3.17E-04
5000.	1.06E-03	8.81E-04	6.97E-04	5.03E-04	3.30E-04
5500.	8.97E-04	7.65E-04	6.26E-04	4.74E-04	3.31E-04
6000.	7.74E-04	6.73E-04	5.66E-04	4.44E-04	3.25E-04
6500.	6.79E-04	6.01E-04	5.16E-04	4.16E-04	3.16E-04
7000.	6.01E-04	5.39E-04	4.70E-04	3.89E-04	3.04E-04
7500.	5.36E-04	4.86E-04	4.30E-04	3.63E-04	2.91E-04
8000.	4.81E-04	4.40E-04	3.95E-04	3.38E-04	2.78E-04
8500.	4.33E-04	4.00E-04	3.62E-04	3.15E-04	2.64E-04
9000.	3.92E-04	3.65E-04	3.33E-04	2.94E-04	2.50E-04
9500.	3.56E-04	3.33E-04	3.07E-04	2.73E-04	2.36E-04
10000.	3.27E-04	3.08E-04	2.85E-04	2.57E-04	2.24E-04
11000.	2.82E-04	2.68E-04	2.51E-04	2.28E-04	2.03E-04
12000.	2.46E-04	2.34E-04	2.21E-04	2.04E-04	1.84E-04
13000.	2.15E-04	2.07E-04	1.96E-04	1.83E-04	1.67E-04
14000.	1.90E-04	1.83E-04	1.75E-04	1.64E-04	1.51E-04
15000.	1.69E-04	1.64E-04	1.57E-04	1.48E-04	1.38E-04
16000.	1.51E-04	1.47E-04	1.41E-04	1.34E-04	1.26E-04

EL-5767/7

Fig. 14-1. Remote interrogation, Class A model gamma isopleth print  
 example, 1 of 4 pages (page 7 of 13)



MOST RECENT RAW DATA MET USED  
 SITE-LM UNIT-U1 INH THY ISOPLETH DATE OF MET 11/ 2/83 12:45  
 SPEED(MPH)= 21.7 DIRECTION= N LAPSE DEG/100FT= -0.5 STABILITY=D  
 PEAK VALUE (REM/HR)= 3.86E-02 TERRAIN AT PEAK (M)= 0.00E+00  
 DISTANCE TO PEAK(M) BEYOND SITE BOUNDARY 762.00  
 RELEASE PT=3 RELEASE TYPE=SPLIT  
 MIXED MODE 0.62  
 PLUME HGT (M) 106.08  
 TIME AFTER ACCIDENT 0.00 HOURS  
 DECAYED RELEASE (CI/SEC) 2.78E+00  
 EXIT VEL FLOW(CFM/1000) 234.  
 MAXIMUM ISOTOPE RELEASE (CI/SEC)  
 I131 1.91E-03  
 I133 9.21E-03

DOWNWIND DISTANCE(M)	CROSSWIND DISTANCE(M)				
	0.	200.	300.	400.	500.
200.	1.07E-01	1.15E-04	2.23E-08	1.43E-13	2.80E-18
400.	6.83E-02	9.14E-04	4.16E-06	2.19E-09	1.34E-13
600.	4.85E-02	2.41E-03	5.66E-05	2.97E-07	3.46E-10
800.	3.68E-02	3.98E-03	2.47E-04	3.04E-06	3.39E-08
1000.	2.90E-02	5.20E-03	6.10E-04	3.04E-05	6.43E-07
1200.	2.38E-02	6.00E-03	1.09E-03	1.01E-04	4.71E-06
1400.	2.01E-02	6.46E-03	1.60E-03	2.29E-04	1.20E-05
1600.	1.77E-02	6.74E-03	2.06E-03	4.02E-04	4.97E-05
1800.	1.60E-02	6.93E-03	2.48E-03	6.04E-04	1.00E-04
2000.	1.47E-02	7.05E-03	2.87E-03	8.33E-04	1.74E-04
2500.	1.21E-02	7.04E-03	3.61E-03	1.44E-03	4.48E-04
3000.	1.07E-02	6.99E-03	4.15E-03	2.01E-03	8.01E-04
3500.	9.35E-03	6.68E-03	4.40E-03	2.46E-03	1.17E-03
4000.	8.02E-03	6.11E-03	4.35E-03	2.71E-03	1.48E-03
4500.	6.84E-03	5.46E-03	4.12E-03	2.78E-03	1.68E-03
5000.	5.86E-03	4.85E-03	3.83E-03	2.78E-03	1.81E-03
5500.	5.06E-03	4.31E-03	3.53E-03	2.66E-03	1.86E-03
6000.	4.45E-03	3.87E-03	3.25E-03	2.55E-03	1.86E-03
6500.	3.99E-03	3.53E-03	3.02E-03	2.44E-03	1.85E-03
7000.	3.60E-03	3.22E-03	2.81E-03	2.32E-03	1.82E-03
7500.	3.17E-03	2.87E-03	2.54E-03	2.14E-03	1.72E-03
8000.	2.89E-03	2.65E-03	2.37E-03	2.03E-03	1.67E-03
8500.	2.64E-03	2.44E-03	2.21E-03	1.92E-03	1.61E-03
9000.	2.42E-03	2.25E-03	2.06E-03	1.81E-03	1.54E-03
9500.	2.22E-03	2.08E-03	1.92E-03	1.71E-03	1.47E-03
10000.	2.07E-03	1.94E-03	1.80E-03	1.62E-03	1.41E-03
11000.	1.83E-03	1.74E-03	1.63E-03	1.48E-03	1.31E-03
12000.	1.63E-03	1.56E-03	1.47E-03	1.36E-03	1.22E-03
13000.	1.47E-03	1.41E-03	1.34E-03	1.24E-03	1.13E-03
14000.	1.32E-03	1.27E-03	1.22E-03	1.14E-03	1.05E-03
15000.	1.20E-03	1.16E-03	1.11E-03	1.05E-03	9.75E-04
16000.	1.09E-03	1.06E-03	1.02E-03	9.67E-04	9.05E-04

EL-5767/8

Fig. 14-1. Remote interrogation, Class A model inhalation thyroid isopleth print example, 1 of 4 pages (page 8 of 13)



MOST RECENT RAW DATA MET USED  
 SITE-LM UNIT-U1 MILK TH ISOPLETH DATE OF MET 11/ 2/83 12:45  
 SPEED(MPH)= 21.7 DIRECTION= N LAFSE DEG/100FT= -0.5 STABILITY=0  
 PEAK VALUE (REM/HR)= 8.60E+01 TERRAIN AT PEAK (M)= 0.00E+00  
 DISTANCE TO PEAK(M) BEYOND SITE BOUNDARY 762.00  
 RELEASE PT=3 RELEASE TYPE=SPLIT  
 MIXED MODE 0.62  
 PLUME HGT (M) 106.08  
 TIME AFTER ACCIDENT 0.00 HOURS  
 DECAYED RELEASE (CI/SEC) 2.78E+00  
 EXIT VEL FLDW(CFM/1000) 234.  
 MAXIMUM ISOTOPE RELEASE (CI/SEC)  
 I131 1.91E-03  
 I133 9.21E-03

DOWNWIND DISTANCE(M)	REM/HR CROSSWIND DISTANCE(M)				
	0.	200.	300.	400.	500.
200.	4.42E+02	8.53E-01	3.75E-02	1.65E-03	7.23E-05
400.	1.72E+02	7.06E+00	1.43E+00	2.90E-01	5.88E-02
600.	9.25E+01	1.05E+01	3.55E+00	1.20E+00	4.03E-01
800.	6.16E+01	1.16E+01	5.06E+00	2.20E+00	9.55E-01
1000.	4.24E+01	1.10E+01	5.59E+00	2.84E+00	1.45E+00
1200.	3.37E+01	1.07E+01	6.03E+00	3.40E+00	1.92E+00
1400.	2.72E+01	1.01E+01	6.11E+00	3.71E+00	2.26E+00
1600.	2.23E+01	9.24E+00	5.95E+00	3.83E+00	2.47E+00
1800.	1.83E+01	8.34E+00	5.62E+00	3.79E+00	2.55E+00
2000.	1.52E+01	7.42E+00	5.19E+00	3.63E+00	2.54E+00
2500.	1.17E+01	6.50E+00	4.84E+00	3.61E+00	2.69E+00
3000.	9.27E+00	5.62E+00	4.38E+00	3.41E+00	2.66E+00
3500.	7.67E+00	4.94E+00	3.96E+00	3.18E+00	2.55E+00
4000.	7.18E+00	4.85E+00	3.99E+00	3.28E+00	2.70E+00
4500.	6.02E+00	4.22E+00	3.54E+00	2.96E+00	2.48E+00
5000.	5.05E+00	3.66E+00	3.11E+00	2.65E+00	2.26E+00
5500.	4.25E+00	3.16E+00	2.72E+00	2.35E+00	2.03E+00
6000.	3.56E+00	2.71E+00	2.36E+00	2.06E+00	1.80E+00
6500.	3.20E+00	2.48E+00	2.18E+00	1.92E+00	1.69E+00
7000.	2.88E+00	2.26E+00	2.01E+00	1.78E+00	1.58E+00
7500.	2.57E+00	2.05E+00	1.83E+00	1.63E+00	1.45E+00
8000.	2.31E+00	1.86E+00	1.67E+00	1.50E+00	1.35E+00
8500.	2.08E+00	1.69E+00	1.53E+00	1.38E+00	1.24E+00
9000.	1.87E+00	1.53E+00	1.39E+00	1.26E+00	1.14E+00
9500.	1.67E+00	1.39E+00	1.26E+00	1.15E+00	1.05E+00
10000.	1.50E+00	1.25E+00	1.14E+00	1.05E+00	9.58E-01
11000.	1.35E+00	1.15E+00	1.05E+00	9.71E-01	8.93E-01
12000.	1.23E+00	1.05E+00	9.74E-01	9.01E-01	8.34E-01
13000.	1.12E+00	9.68E-01	9.00E-01	8.37E-01	7.78E-01
14000.	1.02E+00	8.92E-01	8.33E-01	7.77E-01	7.26E-01
15000.	9.37E-01	8.23E-01	7.71E-01	7.23E-01	6.77E-01
16000.	8.60E-01	7.60E-01	7.15E-01	6.72E-01	6.32E-01

EL-5767/9

Fig. 14-1. Remote interrogation, Class A model milk thyroid isopleth print example, 1 of 4 pages (page 9 of 13)

GAMMA DOSE  
 TIME OF RUN: 11/02/83 13:03 ST  
 TIME OF REACTOR TRIP OR ACCIDENT: 11/02/83 12:45 ST  
 TIME OF MET USED: 11/02/83 12:45 ST  
 TIME RELEASE STARTS AFTER ACCIDENT 0.0 (HRS)  
 REMAINING DURATION (HOURS) 1.00

WIND TOWARD DIRECTION SECTOR: S  
 WIND SPD AT REF HT (M/SEC): 9.57  
 RELEASE PT 3  
 RELEASE TYPE SPLIT

```
*****
*
* W BODY PAG OF 1.0 REM
* REACHED AT GT 24 HOURS
* THYROID PAG OF 5.0 REM
* REACHED AT GT 24 HOURS
*
*****
```

PROJECTED DOSE (REM) AT FOUR CLOCK TIMES				
DOWNWIND DIST (M)	1400 ST	1500 ST	1700 ST	2100 ST
200.	6.92E-03	2.84E-02	2.84E-02	2.84E-02
400.	4.30E-03	1.80E-02	1.80E-02	1.80E-02
600.	2.95E-03	1.27E-02	1.27E-02	1.27E-02
800.	2.15E-03	9.48E-03	9.48E-03	9.48E-03
1000.	1.63E-03	7.37E-03	7.37E-03	7.37E-03
1200.	1.27E-03	5.92E-03	5.92E-03	5.92E-03
1400.	1.03E-03	4.91E-03	4.91E-03	4.91E-03
1600.	8.62E-04	4.23E-03	4.23E-03	4.23E-03
1800.	7.41E-04	3.75E-03	3.75E-03	3.75E-03
2000.	6.45E-04	3.36E-03	3.36E-03	3.36E-03
2500.	4.65E-04	2.62E-03	2.62E-03	2.62E-03
3000.	3.58E-04	2.19E-03	2.19E-03	2.19E-03
3500.	2.73E-04	1.84E-03	1.84E-03	1.84E-03
4000.	2.07E-04	1.54E-03	1.54E-03	1.54E-03
4500.	1.52E-04	1.27E-03	1.27E-03	1.27E-03
5000.	1.12E-04	1.06E-03	1.06E-03	1.06E-03
5500.	8.11E-05	8.97E-04	8.97E-04	8.97E-04
6000.	5.87E-05	7.74E-04	7.74E-04	7.74E-04
6500.	4.17E-05	6.79E-04	6.79E-04	6.79E-04
7000.	2.82E-05	6.01E-04	6.01E-04	6.01E-04
7500.	1.73E-05	5.36E-04	5.36E-04	5.36E-04
8000.	8.60E-06	4.81E-04	4.81E-04	4.81E-04
8500.	1.46E-06	4.33E-04	4.33E-04	4.33E-04
9000.	0.00E+00	3.88E-04	3.92E-04	3.92E-04
9500.	0.00E+00	3.47E-04	3.56E-04	3.56E-04
10000.	0.00E+00	3.14E-04	3.27E-04	3.27E-04
11000.	0.00E+00	2.63E-04	2.82E-04	2.82E-04
12000.	0.00E+00	2.21E-04	2.46E-04	2.46E-04
13000.	0.00E+00	1.88E-04	2.15E-04	2.15E-04
14000.	0.00E+00	1.60E-04	1.90E-04	1.90E-04
15000.	0.00E+00	1.38E-04	1.69E-04	1.69E-04
16000.	0.00E+00	1.19E-04	1.51E-04	1.51E-04

EL-5767/10

Fig. 14-1. Remote interrogation, Class a model gamma projected dose report  
 (page 10 of 13)



INH THY DOSE  
 TIME OF RUN: 11/02/83 13:03 ST  
 TIME OF REACTOR TRIP OR ACCIDENT: 11/02/83 12:45 ST  
 TIME OF MET USED: 11/02/83 12:45 ST  
 TIME RELEASE STARTS AFTER ACCIDENT 0.0 (HRS)  
 REMAINING DURATION (HOURS) 1.00

WIND TOWARD DIRECTION SECTOR: S  
 WIND SPD AT REF HT (M/SEC): 9.57  
 RELEASE PT 3  
 RELEASE TYPE SPLIT

\*\*\*\*\*  
 \*  
 \* W BODY PAG OF 1.0 REM \*  
 \* REACHED AT GT 24 HOURS \*  
 \* THYROID PAG OF 5.0 REM \*  
 \* REACHED AT GT 24 HOURS \*  
 \*  
 \*\*\*\*\*

PROJECTED DOSE (REM) AT FOUR CLOCK TIMES				
DOWNWIND DIST (M)	1400 ST	1500 ST	1700 ST	2100 ST
200.	2.60E-02	1.07E-01	1.07E-01	1.07E-01
400.	1.63E-02	6.83E-02	6.83E-02	6.83E-02
600.	1.13E-02	4.85E-02	4.85E-02	4.85E-02
800.	8.36E-03	3.68E-02	3.68E-02	3.68E-02
1000.	6.41E-03	2.90E-02	2.90E-02	2.90E-02
1200.	5.11E-03	2.38E-02	2.38E-02	2.38E-02
1400.	4.21E-03	2.01E-02	2.01E-02	2.01E-02
1600.	3.61E-03	1.77E-02	1.77E-02	1.77E-02
1800.	3.17E-03	1.60E-02	1.60E-02	1.60E-02
2000.	2.82E-03	1.47E-02	1.47E-02	1.47E-02
2500.	2.15E-03	1.21E-02	1.21E-02	1.21E-02
3000.	1.74E-03	1.07E-02	1.07E-02	1.07E-02
3500.	1.39E-03	9.35E-03	9.35E-03	9.35E-03
4000.	1.07E-03	8.02E-03	8.02E-03	8.02E-03
4500.	8.16E-04	6.84E-03	6.84E-03	6.84E-03
5000.	6.15E-04	5.86E-03	5.86E-03	5.86E-03
5500.	4.58E-04	5.06E-03	5.06E-03	5.06E-03
6000.	3.38E-04	4.45E-03	4.45E-03	4.45E-03
6500.	2.45E-04	3.99E-03	3.99E-03	3.99E-03
7000.	1.69E-04	3.60E-03	3.60E-03	3.60E-03
7500.	1.03E-04	3.17E-03	3.17E-03	3.17E-03
8000.	5.17E-05	2.89E-03	2.89E-03	2.89E-03
8500.	8.91E-06	2.64E-03	2.64E-03	2.64E-03
9000.	0.00E+00	2.39E-03	2.42E-03	2.42E-03
9500.	0.00E+00	2.17E-03	2.22E-03	2.22E-03
10000.	0.00E+00	1.98E-03	2.07E-03	2.07E-03
11000.	0.00E+00	1.70E-03	1.83E-03	1.83E-03
12000.	0.00E+00	1.47E-03	1.63E-03	1.63E-03
13000.	0.00E+00	1.28E-03	1.47E-03	1.47E-03
14000.	0.00E+00	1.11E-03	1.32E-03	1.32E-03
15000.	0.00E+00	9.75E-04	1.20E-03	1.20E-03
16000.	0.00E+00	8.55E-04	1.09E-03	1.09E-03

EL-5767/11

Fig. 14-1. Remote interrogation, Class A model inhalation thyroid projected dose report (page 11 of 13)



--- DOSE CALCULATION SUMMARY PRINT ---  
METEOROLOGICAL DATA: TIME OF MET USED 11/02/83 12:45

	RPT1	RPT2	RPT3	RPT4
RELEASE TYPE			WSP	
WIND SPD AT REF HT(M/SEC)			9.6	
WIND DIRECTION TOWARD:			S	
STABILITY CATEGORY VERT			D	
STABILITY CATEGORY HORIZ			D	

\*\*\*\*\*  
\*  
\* PEAK OFFSITE W BOD DOSE RATE(MREM/HR) 1.0E+01 \*  
\* DOSE IS BETWEEN (MREM/HR) 5.7E-01 & 5.0E+01 \*  
\* EMERGENCY ACTION LEVEL SITE EMERGENCY \*  
\*  
\*  
\*\*\*\*\*

DISPERSION DATA BY RELEASE PT	RPT1	RPT2	RPT3	RPT4
SB X/Q(SEC/M3)	0.0E+00	0.0E+00	6.0E-06	0.0E+00
SB DIST(M)	0.0E+00	0.0E+00	7.6E+02	0.0E+00
X/Q AT 2 MILES	0.0E+00	0.0E+00	1.6E-06	0.0E+00
X/Q AT 5 MILES	0.0E+00	0.0E+00	5.3E-07	0.0E+00
X/Q AT 10 MILES	0.0E+00	0.0E+00	2.2E-07	0.0E+00
PEAK X/Q(SEC/M3)	0.0E+00	0.0E+00	6.0E-06	0.0E+00
DIST TO PEAK(M)	0.0E+00	0.0E+00	7.6E+02	0.0E+00
PK NOBLE GAS CONC(UCI/CC)	0.0E+00	0.0E+00	1.7E-05	0.0E+00
PK I + PART CONC(UCI/CC)	0.0E+00	0.0E+00	6.7E-08	0.0E+00
X/Q AT PEAK CONCENTRATION	0.0E+00	0.0E+00	6.0E-06	0.0E+00
DIST TO PEAK CONC(M)	0.0E+00	0.0E+00	7.6E+02	0.0E+00

DOSE RESULTS OFFSITE BY RELEASE PT(MREM/HR)	RPT1	RPT2	RPT3	RPT4	TOTALS
SB W BOD FOR EACH RP	0.0E+00	0.0E+00	1.0E-02	0.0E+00	
DIST TO SITE BOUND.(M)	0.0E+00	0.0E+00	7.6E+02	0.0E+00	
PEAK W BOD BEYOND S B	0.0E+00	0.0E+00	1.0E-02	0.0E+00	1.0E-02
DIST TO PEAK BEYOND SB	0.0E+00	0.0E+00	7.6E+02	0.0E+00	7.6E+02
W BOD SITE BOUNDARY	0.0E+00	0.0E+00	1.0E-02	0.0E+00	1.0E-02
W BOD AT 2 MILES	0.0E+00	0.0E+00	2.0E-03	0.0E+00	2.0E-03
W BOD AT 5 MILES	0.0E+00	0.0E+00	4.8E-04	0.0E+00	4.8E-04
W BOD AT 10 MILES	0.0E+00	0.0E+00	1.5E-04	0.0E+00	1.5E-04
PK THYRD FOR EACH RP	0.0E+00	0.0E+00	3.9E-02	0.0E+00	
DIST TO PEAK(M)	0.0E+00	0.0E+00	7.6E+02	0.0E+00	
THYRD AT TOTAL PK LOC	0.0E+00	0.0E+00	3.9E-02	0.0E+00	3.9E-02
DIST TO TOT PK THYRD(M)	0.0E+00	0.0E+00	7.6E+02	0.0E+00	7.6E+02
THYRD SITE BOUNDARY	0.0E+00	0.0E+00	3.9E-02	0.0E+00	3.9E-02
THYRD AT 2 MILES	0.0E+00	0.0E+00	1.0E-02	0.0E+00	1.0E-02
THYRD AT 5 MILES	0.0E+00	0.0E+00	2.9E-03	0.0E+00	2.9E-03
THYRD AT 10 MILES	0.0E+00	0.0E+00	1.1E-03	0.0E+00	1.1E-03

EL-5767/12

Fig. 14-1. Remote interrogation, Class A model dose summary report  
(page 12 of 13)

--- DOSE PROJECTIONS ---

PROJECTION TIME PERIOD (HRS FROM NOW) (NOW=11/02/83 12:45) CLOCK TIME (ST)	0.3	1.3	3.3	7.3	PLUME ARVL/ LEAVE TIME (ST)	TIME FROM NOW TO REACH PAGE (ST)
SITE BDRY						
W B DOSE(REM)	2.3E-03	1.0E-02	1.0E-02	1.0E-02	DAHRMN 021246/ 021346	NOT REACHED
THY DOSE(REM)	8.8E-03	3.9E-02	3.9E-02	3.9E-02		NOT REACHED
2 MILES						
W B DOSE(REM)	3.2E-04	2.0E-03	2.0E-03	2.0E-03	021251/ 021351	NOT REACHED
THY DOSE(REM)	1.6E-03	1.0E-02	1.0E-02	1.0E-02		NOT REACHED
5 MILES						
W B DOSE(REM)	7.9E-06	4.8E-04	4.8E-04	4.8E-04	021259/ 021359	NOT REACHED
THY DOSE(REM)	4.7E-05	2.9E-03	2.9E-03	2.9E-03		NOT REACHED
10 MILES						
W B DOSE(REM)	0.0E+00	1.2E-04	1.5E-04	1.5E-04	021313/ 021413	NOT REACHED
THY DOSE(REM)	0.0E+00	8.4E-04	1.1E-03	1.1E-03		NOT REACHED

2PAG - W.BODY=1 REM, THY=5 REM  
 \*\* - NOT CALCULATED

ENTER 'C' TO CONTINUE DISPLAYING : C

EL-5767/13

Fig. 14-1. Remote interrogation, Class A model dose projections report  
 (page 13 of 13)

Current reports are based on test data and do not reflect actual conditions at the LIMERICK generating station.

# REPORT INTERROGATION (LEVEL 1)

```

1 -- TERMINATE
2 -- CLASS A MODEL
3 -- DOSE ACCUMULATION
4 -- NRC METEOROLOGICAL REPORT
5 -- NRC X/Q REPORT
6 -- R.G. 1.97 REPORT
2-NOV-83 13:03:30
4-NOV-83 09:35:00
4-NOV-83 11:22:01
2-NOV-83 14:39:00
3-NOV-83 16:56:00

```

ENTER REPORT SELECTION : 3

\*\*\* ERROR READING 15-MIN Q-DATA FILE. IER = 0 \*\*\*

SITE: LIMERICK  
UNIT: U1  
USER: GM  
DATE: 11/ 4/83 9:35  
MET DATA FOR: 11/ 4/83 8:30 RELEASE POINT: 3 RELEASE TYPE: WAKE-SPLIT  
RAD DATA FOR: 0/ 0/ 0 0: 0  
SUMMARY OF METEOROLOGICAL DATA

	GROUND	ELEVATED
WIND SPEED (MPH):	9.6 P	8.4 P
WIND DIRECTION (DEG):	W P	WSW P
DELTA-TEMP (DEG-F):	-1.3 P	-1.3 P
SIGMA-THETA (DEG):	0.0 P	0.0 P
AMBIENT TEMP (DEG-F):	0.0 8	68.4 P
HORIZ STABILITY:	D	D
VERT STABILITY:	D	D

SUMMARY OF ISOTOPIC RELEASE RATE DATA (MICRO-CI/SEC)

ISOTOPES NOT PRINTED ARE ZERO

\*\*\* RAD DATA NOT AVAILABLE FOR THIS DATE/TIME \*\*\*

## SUMMARY OF EFFLUENT DISCHARGE RATE

VENT FLOW RATE (CFM): 2.3415E+05  
15-MIN PEAK X/Q AND DOSE RATE

	X/Q,X/QD (SEC/M3)	DISTANCE (METERS)		DOSE RATE (REM/HR)	DISTANCE (METERS)
X/Q WK SPLT:	5.061E-06	1609.0	W.B. GAMMA:	0.00E+00	72405.0
DEPLETION:	4.943E-06	1609.0	SKIN:	0.00E+00	72405.0
	D/Q (1/M2)	DISTANCE (METERS)	INHAL. THY.:	0.00E+00	72405.0
DEPOSITION:	7.990E-08	804.0	INGES. THY.:	0.00E+00	72405.0

EL-5768/1

Fig. 14-2. Remote interrogation dose accumulation report for 1 hr  
(page 1 of 3)



SITE: LIMERICK

UNIT: U1

USER: GM

DATE: 11/ 4/83 9:35

DATES OF TOTAL DOSE ACCUMULATION : 11/ 4/83 8:30 TO 11/ 4/83 9:15

DOSE ACCUMULATION FOR SKIN (REM)

FOR ALL "ON" RELEASE POINTS

S	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
SSW	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
SW	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
WSW	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
W	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
WNW	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
NW	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
NNW	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS (METERS)

804.0	1609.0	2414.0	3218.0	4828.0
6437.0	8046.0	9656.0	11265.0	12874.0
14484.0	16093.0	24140.0	32186.0	40233.0
48280.0	56327.0	64373.0	72420.0	80467.0

EL-5768/2

Fig. 14-2. Remote interrogation dose accumulation report for half of the receptors (page 2 of 3)

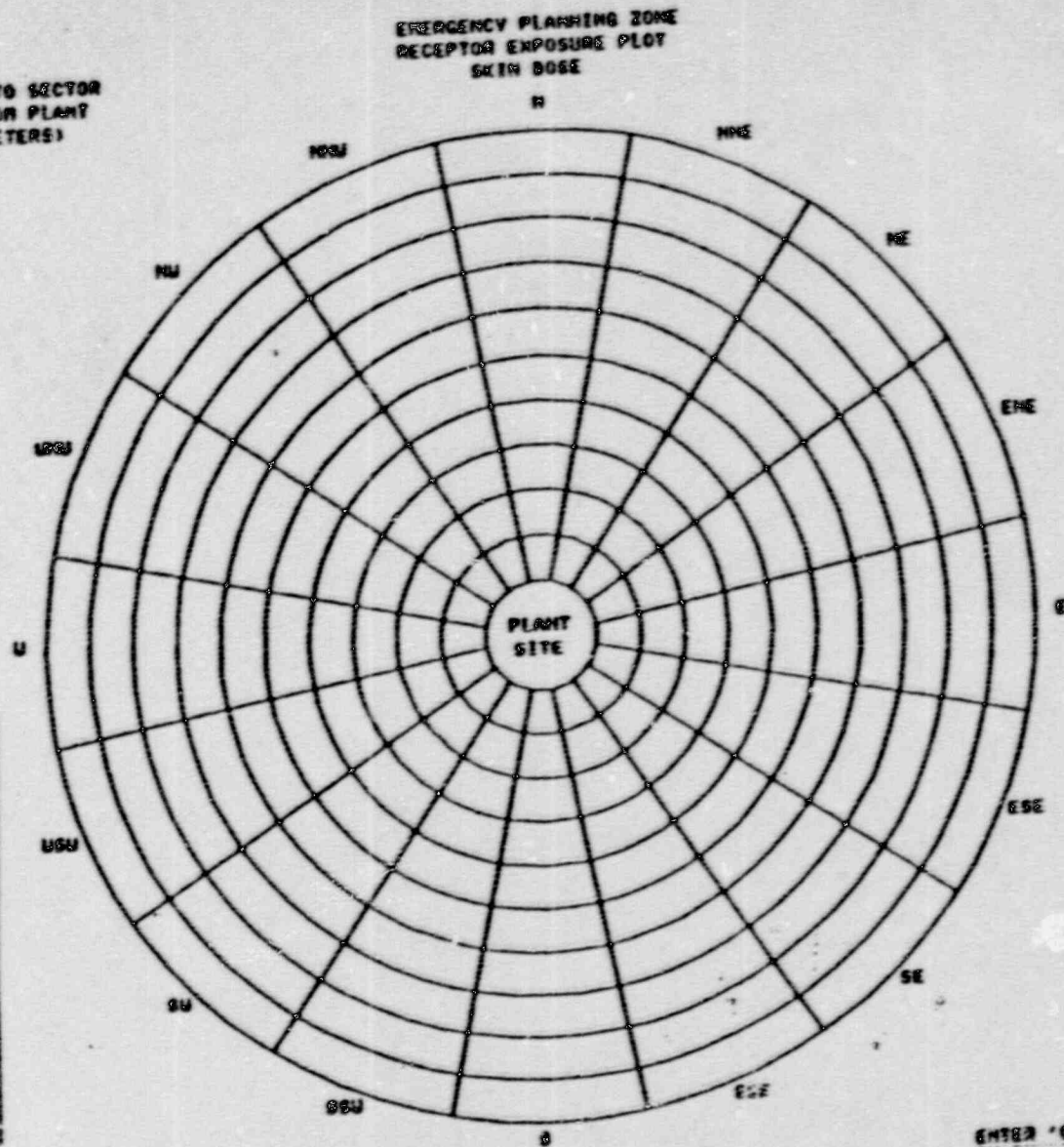
SITE: LIPSWICK  
 UNIT: U1  
 USER: CA  
 DATE: 11/04/03 00:35

TOTAL ACCUMULATION  
 START DATE: 11/ 4/03 0:30  
 END DATE : 11/ 4/03 0:15  
 ALL RELEASE POINTS

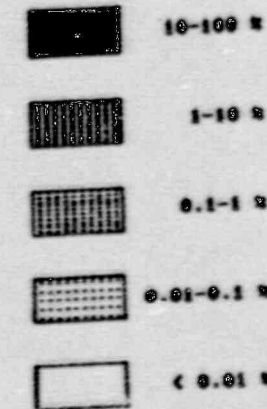
DISTANCE TO SECTOR  
 CENTER FROM PLANT  
 CENTER (METERS)

15200.  
 12670.  
 12070.  
 10461.  
 8861.  
 7242.  
 5633.  
 4023.  
 2414.  
 885.

885.  
 2414.  
 4023.  
 5633.  
 7242.  
 8861.  
 10461.  
 12070.  
 12670.  
 15200.



LEGEND:  
 PERCENT OF SEEKING SHELTER LIMIT  
 (SKIN DOSE: 1000 MILLIRAD)



ENTER 'C' TO CONTINUE DISPLAYING : C

Fig. 14-2. Remote interrogation dose accumulation receptor exposure plot  
 (page 3 of 3)

EL-5768/3



# REPORT INTERROGATION (LEVEL 1)

1 -- TERMINATE  
 2 -- CLASS A MODEL  
 3 -- DOSE ACCUMULATION  
 4 -- NRC METEOROLOGICAL REPORT  
 5 -- NRC X/Q REPORT  
 6 -- R.G. 1.97 REPORT

2-NOV-83 13:03:30  
 2-NOV-83 09:00:00  
 4-NOV-83 11:00:01  
 2-NOV-83 14:39:00  
 3-NOV-83 16:56:00

ENTER REPORT SELECTION : 4

11/04/83 11:22

PHILADELPHIA ELECTRIC COMPANY  
 LINERICK GENERATING STATION  
 LATITUDE LONGITUDE ELEVATION(BASE)  
 40.21700 75.50400 217

PECD  
 TOWER NO. 1

WIND SENS U-L DELTAT U-L DELTAT U-I DELTAT I-L TA TD PCP  
 82.3 53.3 9.1 82.3 9.1 82.3 53.3 53.3 9.1 9.1 9.1 2.0

COMMENT LINE 1  
 COMMENT LINE 2  
 COMMENT LINE 3  
 COMMENT LINE 4

YYJJHHMM	WDU	WDI	WDL	WSU	WSI	WSL	SDU	SDI	SDL	DTUL	DTUI	DTIL	TAL	TDL	PCP	S
833072315999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833072330999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833072345999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080000999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080015999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080030999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080045999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080100999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833030115999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080130999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080145999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080200999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080215999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080230999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080245999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080300999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080315999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080330999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080345999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080400999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080415999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080430999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080445999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080500999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080515999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080530999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080545999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080600999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080615999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080630999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080645999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080700999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080715999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080730999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080745999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080800999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080815999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080830999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080845999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080900999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080915999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080930999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833080945999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833081000999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833081015999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833081030999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833081045999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7
833081100999	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	20.0	99.9	0.0	7

EL-5769

Fig. 14-3. Remote interrogation NRC meteorological report

# REPORT INTERROGATION (LEVEL 1)

```

1 -- TERMINATE
2 -- CLASS A MODEL
3 -- DOSE ACCUMULATION
4 -- NRC METEOROLOGICAL REPORT
5 -- NRC X/Q REPORT
6 -- R.G. 1.97 REPORT
2-NOV-83 13:03:30
4-NOV-83 09:35:00
4-NOV-83 11:22:01
2-NOV-83 14:39:00
3-NOV-83 16:56:00

```

ENTER REPORT SELECTION : 5

SITE: LIMERICK  
STANDARD GAUSSIAN  
WAKE SPLIT

11/02/83 14:39  
BNL SIGMAS

TIME BLOCK	DIRECTION OF WIND	DISTANCE TO PEAK	PEAK X/Q	PLUME WIDTH	CHI/Q AT 3218	DOWNWIND DISTANCES 8047 16093
833060230	0.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060245	0.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060300	359.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060315	359.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060330	359.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060345	360.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060400	360.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060415	360.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060430	360.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060445	0.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060500	0.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060515	359.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060530	359.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060545	359.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060600	359.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060615	359.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060630	360.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060645	0.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060700	360.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060715	359.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060730	358.	6437.	0.143E-05	831.	0.479E-06	0.142E-05 0.978E-06
833060745	358.	804.	0.872E-05	130.	0.140E-05	0.666E-06 0.310E-06
833060800	360.	804.	0.872E-05	130.	0.159E-05	0.494E-06 0.208E-06
833060815	359.	804.	0.872E-05	130.	0.159E-05	0.494E-06 0.208E-06
833060830	359.	804.	0.872E-05	130.	0.159E-05	0.494E-06 0.208E-06
833060845	359.	804.	0.872E-05	130.	0.159E-05	0.494E-06 0.208E-06
833060900	359.	804.	0.872E-05	130.	0.159E-05	0.494E-06 0.208E-06
833060915	359.	804.	0.872E-05	130.	0.159E-05	0.494E-06 0.208E-06
833060930	358.	804.	0.885E-05	130.	0.160E-05	0.495E-06 0.208E-06
833060945	358.	804.	0.885E-05	130.	0.160E-05	0.495E-06 0.208E-06
833061000	358.	804.	0.885E-05	130.	0.160E-05	0.495E-06 0.208E-06
833061015	358.	804.	0.885E-05	130.	0.160E-05	0.495E-06 0.208E-06
833061030	358.	804.	0.885E-05	130.	0.160E-05	0.495E-06 0.208E-06
833061045	358.	804.	0.890E-05	130.	0.161E-05	0.497E-06 0.209E-06
833061100	358.	804.	0.894E-05	130.	0.161E-05	0.498E-06 0.209E-06
833061115	358.	804.	0.894E-05	130.	0.161E-05	0.498E-06 0.209E-06
833061130	358.	804.	0.894E-05	130.	0.161E-05	0.498E-06 0.209E-06
833061145	358.	804.	0.890E-05	130.	0.161E-05	0.497E-06 0.209E-06
833061200	358.	804.	0.890E-05	130.	0.161E-05	0.497E-06 0.209E-06
833061215	358.	804.	0.885E-05	130.	0.160E-05	0.495E-06 0.208E-06
833061230	358.	804.	0.870E-05	130.	0.161E-05	0.497E-06 0.209E-06
833061245	358.	804.	0.890E-05	130.	0.161E-05	0.497E-06 0.209E-06
833061300	358.	804.	0.890E-05	130.	0.161E-05	0.497E-06 0.209E-06
833061315	358.	804.	0.881E-05	130.	0.160E-05	0.498E-06 0.209E-06
833061330	358.	804.	0.881E-05	130.	0.160E-05	0.498E-06 0.209E-06
833061345	358.	804.	0.894E-05	130.	0.161E-05	0.498E-06 0.209E-06
833061400	358.	804.	0.894E-05	130.	0.161E-05	0.498E-06 0.209E-06
833061415	358.	804.	0.894E-05	130.	0.161E-05	0.498E-06 0.209E-06

ENTER 'C' TO CONTINUE

EL-5770

Fig. 14-4. Remote interrogation NRC X/Q report



Current reports are based on test data and do not reflect actual conditions at the LIMERICK generating station.

# REPORT INTERROGATION (LEVEL 1)

```

1 -- TERMINATE
2 -- CLASS A MODEL                2-NOV-83 13:03:30
3 -- DOSE ACCUMULATION            4-NOV-83 09:35:00
4 -- NRC METEOROLOGICAL REPORT   4-NOV-83 11:22:01
5 -- NRC X/Q REPORT              2-NOV-83 14:39:00
6 -- R.G. 1.97 REPORT            3-NOV-83 16:56:00

```

ENTER REPORT SELECTION : 6

GROUP 1		R.G. 1.97 MONITORS		3-NOV-83 16:56:00			
NAME	DESCRIPTION	VALUE	UNITS	V	V	V	V ALARM
1ME076	N STACK MID RANGE EFL	0.00E+00					U
2LE076	N STACK LOW RANGE EFL	0.00E+00					U
3HE076	N STACK HIGH RANGE EFL	0.00E+00					U
4TE076	N STACK TOTAL EFFLUENT	0.00E+00					U
1RA191	DRYWELL AREA POST LOCA	0.00E+00					U
2RA191	DRYWELL AREA POST LOCA	0.00E+00					U
3RA191	DRYWELL AREA POST LOCA	0.00E+00					U
4RA191	DRYWELL AREA POST LOCA	0.00E+00					U
1RA291	DRYWELL AREA POST LOCA	0.00E+00					U
2RA291	DRYWELL AREA POST LOCA	0.00E+00					U
3RA291	DRYWELL AREA POST LOCA	0.00E+00					U
4RA291	DRYWELL AREA POST LOCA	0.00E+00					U

ENTER 'C' TO CONTINUE DISPLAYING :

EL-5771

Fig. 14-5. Remote interrogation R.G. 1.97 report (group 1 summary channels)

3891020740

PHILADELPHIA ELECTRIC COMPANY  
LIMERICK GENERATING STATION*J. Doering*  
7/21/89RMMS-201 EMERGENCY GASEOUS DOSE CALCULATIONS - INTERROGATOR MODE

CONTROLLED COPY

1.0 PURPOSE

- 1.1 To interrogate most recent approved version of up to five (5) types of reports generated by Broadcast Control Mode.

VALID ONLY

2.0 RESPONSIBILITIES

WHEN RED

- 2.1 The Interrogator (RM-21A Operator) shall:
- 2.1.1 Ensure the bases for each report is documented AND attached to the back of each report.
  - 2.1.2 Transmit all generated reports to appropriate supervisor for evaluation.

3.0 PREREQUISITES

- 3.1 Logon to the INTERROGATING mode of Broadcast Control using INTERROGATOR Username AND Password, per RMMS-102.

4.0 PRECAUTIONS

- 4.1 Reports are generated every 15 minutes. The most current version of a report is updated 15 minutes after being generated.

5.0 APPARATUS

- 5.1 RMMS/RM-21A Console and Tektronix hardcopy unit.



6.0 PROCEDURE

| 6.1 Enter in response to prompts

RM-21A Prompt	Operator Response
1. Message previously entered into system by the Broadcast Controller will be displayed on screen.	
2. Report Interrogation (Level 1) List of available reports displayed on screen.  Note: Only these reports with date <u>AND</u> time flags are available for interrogation.	Select available report of interest. Depress RETURN.
3. Reports displayed on screen.	Take hardcopy of screen. IF class A model is chosen <u>THEN</u> enter C to continue, depress RETURN, <u>OR</u> enter E to Exit. Depress RETURN. IF continue option was chosen, <u>THEN</u> further reports will be displayed in sequence. Enter E to Exit. Depress RETURN.
4. Report Interrogation (Level 1) Logout indicated.	Enter 1 - Terminate.

7.0 REFERENCES

7.1 RMMS/RM-21A Operator's Guide

| 7.2 RMMS-102

8.0 ATTACHMENTS

None